

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P565507

Luminaire Tested: **2SNX-19SL-LC-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565507
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2205-663-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SNX-19SL-LC-UNV-L835-CD
Description: 2FT 1900 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

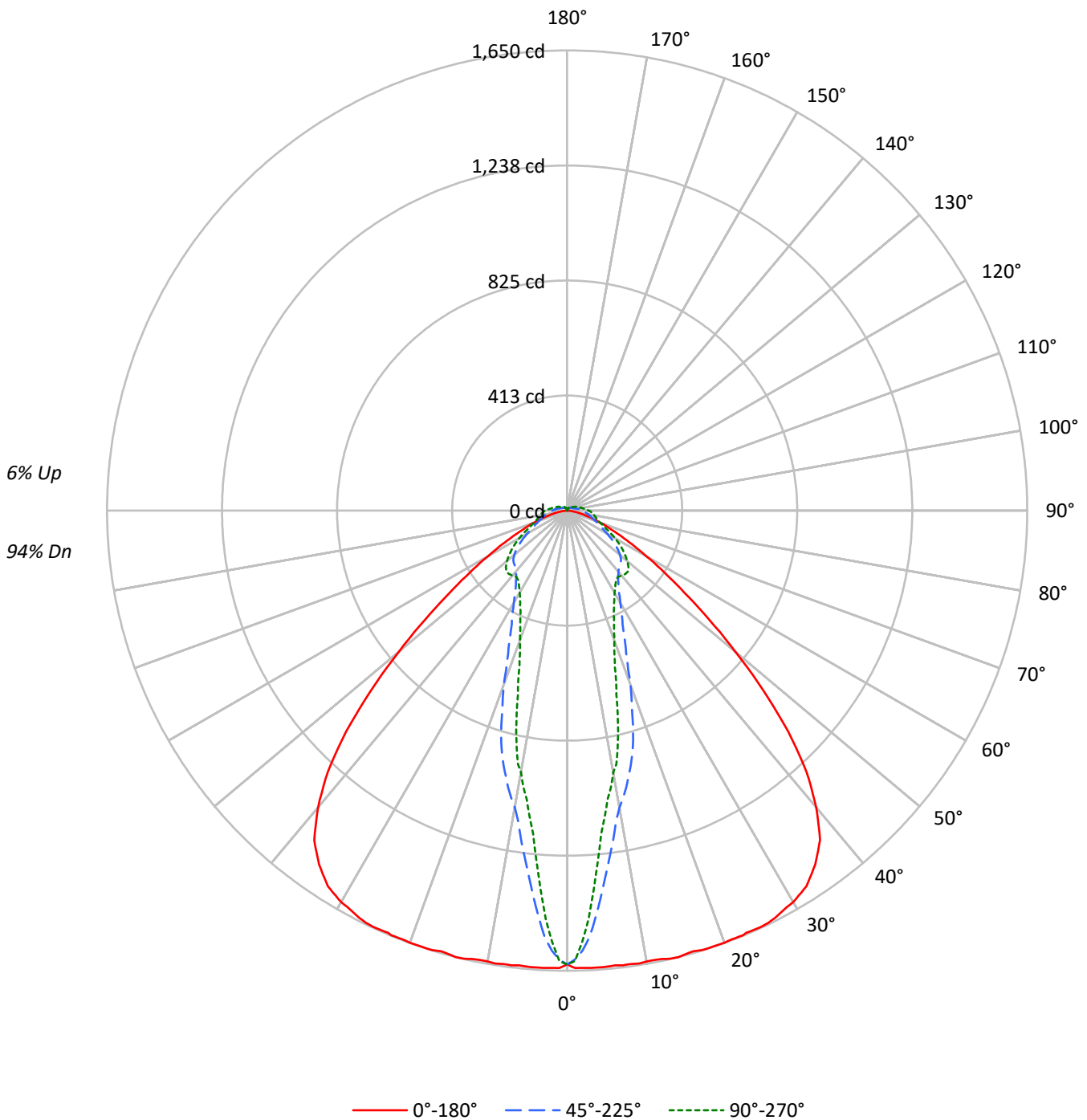
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2006.0 lumens
Efficiency: N/A
Efficacy: 167.2 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 12
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	94
1	108	103	99	96	105	101	97	94	95	92	90	90	88	86	86	84	82	80
2	99	92	86	80	96	89	84	79	85	80	76	81	77	74	77	74	71	69
3	92	82	75	69	89	80	73	68	76	71	66	73	68	64	70	66	62	60
4	85	74	66	60	82	72	65	59	69	63	58	66	61	56	63	59	55	53
5	79	67	59	53	76	66	58	52	63	56	51	60	55	50	58	53	49	47
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	53	48	44	42
7	69	56	48	43	67	55	48	42	53	46	42	51	45	41	50	44	40	38
8	64	52	44	39	63	51	44	39	49	43	38	48	42	37	46	41	37	35
9	61	48	41	36	59	47	40	35	46	39	35	44	39	34	43	38	34	32
10	57	45	38	33	56	44	37	33	43	37	32	42	36	32	40	35	31	30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	35034	35034	35034
5°	35223	28704	25757
10°	35370	21620	18641
15°	35881	17633	12908
20°	36666	12733	9117
25°	37656	9103	7172
30°	38450	7258	6108
35°	38497	6127	5470
40°	36507	5558	5484
45°	31489	5358	5633
50°	23992	5085	5257
55°	17240	4436	4664
60°	12379	3692	3944
65°	8885	3113	3233
70°	6423	2738	2787
75°	4435	2527	2599
80°	2770	2354	2559
85°	1176	2228	2562



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.0	6.4
10°-20°	277.9	13.9
20°-30°	318.1	15.9
30°-40°	318.7	15.9
40°-50°	301.7	15.0
50°-60°	231.4	11.5
60°-70°	149.1	7.4
70°-80°	95.1	4.7
80°-90°	63.2	3.1
90°-100°	42.4	2.1
100°-110°	28.0	1.4
110°-120°	19.5	1.0
120°-130°	13.6	0.7
130°-140°	9.4	0.5
140°-150°	5.8	0.3
150°-160°	2.9	0.1
160°-170°	1.1	0.1
170°-180°	0.2	0.0
0°-30°	724.0	36.1
0°-40°	1042.7	52.0
0°-60°	1575.7	78.6
0°-90°	1883.1	93.9
90°-120°	89.9	4.5
90°-150°	118.6	5.9
90°-180°	123.0	6.1
0°-180°	2006.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1627	1627	1627	1627	1627	
5°	1642	1551	1390	1296	1261	157
15°	1646	1185	904	742	683	467
25°	1647	839	478	415	396	759
35°	1550	467	320	309	305	962
45°	1120	295	269	298	308	852
55°	514	211	208	233	243	473
65°	206	133	131	149	154	211
75°	70	72	90	104	109	77
85°	9	33	64	83	89	13
90°	0	23	54	74	77	0
95°	0	16	44	61	64	0
105°	0	12	29	41	44	1
115°	1	10	22	30	32	1
125°	1	9	18	22	23	1
135°	1	7	14	18	18	1
145°	1	5	10	13	14	1
155°	1	3	6	9	10	1
165°	2	2	4	5	6	1
175°	2	2	2	2	1	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1627.4	1627.4	1627.4	1627.4	1627.4
1°	1640.7	1631.5	1609.9	1616.1	1615.0
2°	1640.7	1621.2	1579.0	1566.7	1548.2
3°	1641.8	1603.7	1531.8	1491.7	1466.0
4°	1641.8	1578.0	1461.9	1395.0	1362.1
5°	1641.8	1551.3	1389.9	1296.3	1261.4
6°	1639.7	1519.4	1316.9	1218.2	1165.8
7°	1642.8	1484.5	1251.1	1145.2	1104.1
8°	1641.8	1443.3	1190.5	1089.7	1044.5
9°	1644.8	1403.3	1124.7	1037.3	1003.4
10°	1641.8	1366.2	1081.5	987.9	953.0
11°	1641.8	1330.3	1050.6	956.1	926.3
12°	1643.8	1289.1	1016.7	910.8	869.7
13°	1649.0	1247.0	977.7	861.5	813.2
14°	1650.0	1215.1	941.7	798.8	748.4
15°	1645.9	1185.3	903.6	742.2	682.6
16°	1643.8	1154.5	858.4	688.8	635.3
17°	1647.9	1118.5	807.0	634.3	584.9
18°	1649.0	1085.6	752.5	593.2	550.0
19°	1649.0	1059.9	708.3	555.1	518.1
20°	1649.0	1035.2	663.1	526.3	494.5
21°	1646.9	1004.4	611.7	496.5	469.8
22.5°	1647.9	946.8	553.1	461.6	440.0
23°	1644.8	932.4	538.7	452.3	429.7
24°	1645.9	891.3	507.8	433.8	412.2
25°	1646.9	838.9	478.0	415.3	395.8
26°	1644.8	796.7	453.4	397.8	384.5
27°	1639.7	762.8	435.9	383.5	371.1
28°	1632.5	717.6	417.4	371.1	359.8
29°	1625.3	666.2	398.9	357.8	349.5
30°	1621.2	625.0	381.4	347.5	340.3
32.5°	1596.5	543.8	345.4	326.9	320.7
35°	1550.3	466.7	319.7	309.4	305.3
37.5°	1489.6	407.1	300.2	298.1	299.2
40°	1389.9	359.8	285.8	295.0	304.3
42.5°	1270.6	322.8	275.5	298.1	308.4
45°	1120.5	295.0	269.3	298.1	308.4
47.5°	954.0	272.4	262.1	287.8	298.1
50°	787.5	251.9	247.8	272.4	281.7
52.5°	640.5	232.3	229.2	252.9	262.1
55°	514.0	210.7	207.7	233.4	242.6
57.5°	412.2	190.2	187.1	210.7	220.0
60°	329.0	169.6	164.5	188.1	197.4
62.5°	262.1	150.1	147.0	167.6	175.8
65°	205.6	132.6	130.6	149.1	154.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	162.4	116.2	117.2	132.6	138.8
70°	125.4	100.7	106.9	121.3	125.4
72.5°	94.6	85.3	98.7	111.0	116.2
75°	69.9	72.0	90.5	103.8	109.0
77.5°	48.3	59.6	83.3	97.7	102.8
80°	32.9	48.3	76.1	92.5	98.7
82.5°	19.5	40.1	69.9	87.4	94.6
85°	9.3	32.9	63.7	83.3	89.4
87.5°	3.1	26.7	57.6	79.2	84.3
90°	0.0	22.6	53.5	74.0	77.1
92.5°	0.0	19.5	48.3	67.8	69.9
95°	0.0	16.4	44.2	60.7	63.7
97.5°	0.0	15.4	41.1	54.5	58.6
100°	0.0	14.4	37.0	49.3	53.5
102.5°	0.0	12.3	32.9	44.2	48.3
105°	0.0	12.3	28.8	41.1	44.2
107.5°	1.0	11.3	26.7	37.0	41.1
110°	1.0	11.3	23.6	35.0	38.0
112.5°	1.0	11.3	22.6	31.9	36.0
115°	1.0	10.3	21.6	29.8	31.9
117.5°	1.0	10.3	20.6	26.7	28.8
120°	1.0	9.3	19.5	24.7	25.7
122.5°	1.0	9.3	18.5	22.6	23.6
125°	1.0	9.3	18.5	21.6	22.6
127.5°	1.0	8.2	17.5	20.6	20.6
130°	1.0	8.2	16.4	19.5	19.5
132.5°	1.0	7.2	15.4	18.5	19.5
135°	1.0	7.2	14.4	17.5	18.5
137.5°	1.0	6.2	13.4	16.4	17.5
140°	1.0	6.2	12.3	15.4	16.4
142.5°	1.0	5.1	11.3	14.4	15.4
145°	1.0	5.1	10.3	13.4	14.4
147.5°	1.0	5.1	9.3	12.3	13.4
150°	1.0	4.1	8.2	11.3	12.3
152.5°	1.0	4.1	7.2	10.3	11.3
155°	1.0	3.1	6.2	9.3	10.3
157.5°	1.0	3.1	6.2	8.2	9.3
160°	2.1	3.1	5.1	7.2	8.2
162.5°	1.0	2.1	5.1	6.2	7.2
165°	2.1	2.1	4.1	5.1	6.2
167.5°	2.1	2.1	3.1	4.1	5.1
170°	2.1	2.1	3.1	3.1	4.1
172.5°	2.1	2.1	2.1	3.1	2.1
175°	2.1	2.1	2.1	2.1	1.0
177.5°	2.1	2.1	2.1	2.1	1.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	2.1	2.1	2.1	2.1	2.1

(END OF REPORT)